



Attorney's Docket No. 8194-723

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Arslan et al.

Serial No.: 10/716,085

Filed: November 18, 2005

For: *Methods And Apparatus For Pre-Filtering A Signal To Increase Signal-To-Noise Ratio  
And Decorrelate Noise*

Confirmation No.: 4858

Group Art Unit: 2631

Date: May 9, 2005

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
FOR INTERNATIONAL SEARCH REPORT**

Sir:

Attached is a Supplemental Form PTO-1449 listing documents cited in the International Search Report for the corresponding International Application Number PCT/US2004/038412. Each document listed on the attached PTO-1449 was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement. A copy of any listed foreign patent document and/or non-patent literature including the Search Report, is enclosed. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the amendment by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(ii) effective October 21, 2004.

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It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due; however, the Commissioner is hereby authorized to charge any

deficiency or credit any refund to Deposit Account No. 50-0220.

Respectfully submitted,



David K. Purks  
Registration No. 40,133

Myers Bigel Sibley & Sajovec, P.A.  
P. O. Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401  
Customer No. 20792

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 9, 2005.

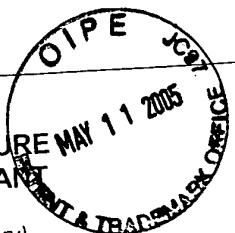


Sheena L. Donnelly

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1C of 1C



Complete if Known

Application Number	10/716,085
Filing Date	November 18, 2003
First Named Inventor	Huseyin Arslan
Group Art Unit	2631
Examiner Name	TBA
Attorney Docket Number	8194-723

## U.S. PATENTS AND PATENT PUBLICATIONS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
		Office	Number	Kind Code (if known)			

## OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	1.	Al-Dhahir "Finite-Length Channel-Shortening Space-Time Equalizers for MIMO Linear Frequency-Selective Channels" <i>Signals, Systems, and Computers, 2000. Conference Record of the Thirty-fourth Asilomar Conference</i> 1: 705-709(2000)	
	2.	Bauch "Reduced-Complexity Space-Time Turbo-Equalization for Frequency-Selective MIMO Channels" <i>IEEE Transactions on Wireless Communications</i> 1(4): 819-828 (2002)	
	3.	Hafeez et al. "Interference Cancellation for EDGE via Two-User Joint Demodulation" <i>2003 58<sup>th</sup> IEEE Vehicular Technology Conference</i> 2: 1025-1029 (2003)	
	4.	International Search Report and Written Opinion for Application No. PCT/US2004/038412 mailed on April 19, 2005	
	5.	Ramesh et al. "Prefilter Design for Low-Complexity Equalization of MIMO Systems" <i>2004 IEEE 59<sup>th</sup> Vehicular Technology Conference</i> 2: 871-875 (2004)	
	6.	Zangi et al. "Physical-Layer Issues for Deploying Transmit Diversity in GPRS/EGPRS Networks" <i>IEEE 54<sup>th</sup> Vehicular Technology Conference</i> 2: 538-542 (2001)	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.